

## SPECIFICATION AMENDMENTS

Please amend the following paragraph as indicated. The paragraph appears on p. 52 of the specification at lines 27-31, and continues on p. 53 at lines 1-8, (it is the first paragraph following the heading on p. 52, "DETAILED DESCRIPTION – METHOD & SYSTEM OF IMPLEMENTATION").

As described above and referring to Fig. 1, the method for calculating the effects of environmental conditions on animals of the present invention includes the provision of databases of environmental conditions (i.e., the environmental conditions database **100**)~~100~~ and animal characteristics data (i.e., the animal characteristics database **190**)~~190~~ for use in forming sets of environmental **120** and animal **170** data to be input to the microclimate **300** and animal **500** models. These databases (**100** and **190**) may be very large (currently on the order of 9 terabytes/table for the database MySQL). If used as input files instead of database tables, their size limits their accessibility by users who do not have access to larger mainframe computers. Such users are limited by the amount of memory and speed of their computers. The present invention using Practical Extraction and Report Language (PERL) and MySQL, addresses this problem by providing a method and system for its implementation on smaller computers, including personal computers. This allows many more users access to the methodology of the present invention and should enable its more widespread use among researchers, conservationists and other parties interested in understanding and managing animals.